



Replacement Sheet

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Appl. No. 10/773,302; Filed: Feb. 9, 2004
Dkt. No. 0652.1670002/JUK/JCI; Art Unit: 1651
Inventors: Jenuwein et al.; Tel: 202-371-2600
Title: Chromatin Regulator Genes

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FIG. 1 A

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Appl. No. 10/773,302; Filed: Feb. 9, 2004
Dkt. No. 0652.1670002/JUK/JCI; Art Unit: 1651
Inventors: Jenuwein et al.; Tel: 202-371-2600
Title: Chromatin Regulator Genes

497	RLWAACRK QLKKDGSSNHVNYQPCDHPRQP DSSCP VIAQNFCEKF	546	
512	RLWSLHCRK QLKKDSSSNHVNYTRCDHPGHR DMNCSC QTQNFCEKF	561	C-rich 75%
547	QICSSCQNRFPCCRKACQNTKQCPYLAVERCDPDLCL TCCGAADHWDS	596	
562	QNCSSDCQNRFPCCRKACQNTKQCPYLAVERCDPDDCQACG.ADQFKL	610	
597	KNVSCKNCS QRGSKKHLLAPSDVAGWG F KDPVQKNEF SEYCGE	646	
611	TKITCKNVCVQRGLHKHLLMAPSDIAGWG FLKEGAQKNEF SEYCGE	660	
647	SQDEADRRGKVYDKYMCFLFNLNNDFVVDA TRKGNI RFANHSVNPNCY	696	SET
661	SQDEADRRGKVYDKYMCFLFNLNNDFVVDA TRKGNI RFANHSINPNCY	710	88%
697	AKVMMVNGDHRIGIFAKRA QTGEELFFDYRYSQADALKYVGIEREMEIP	746	
711	AKVMMVTGDHRIGIFAKRA QPGEELFFDYRGPTEQLKFVGIEREMEIV	760	

FIG. 1B

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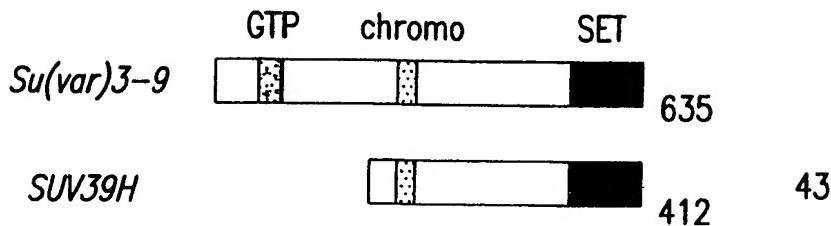


FIG. 2A

ABERRANT TRANSCRIPTS

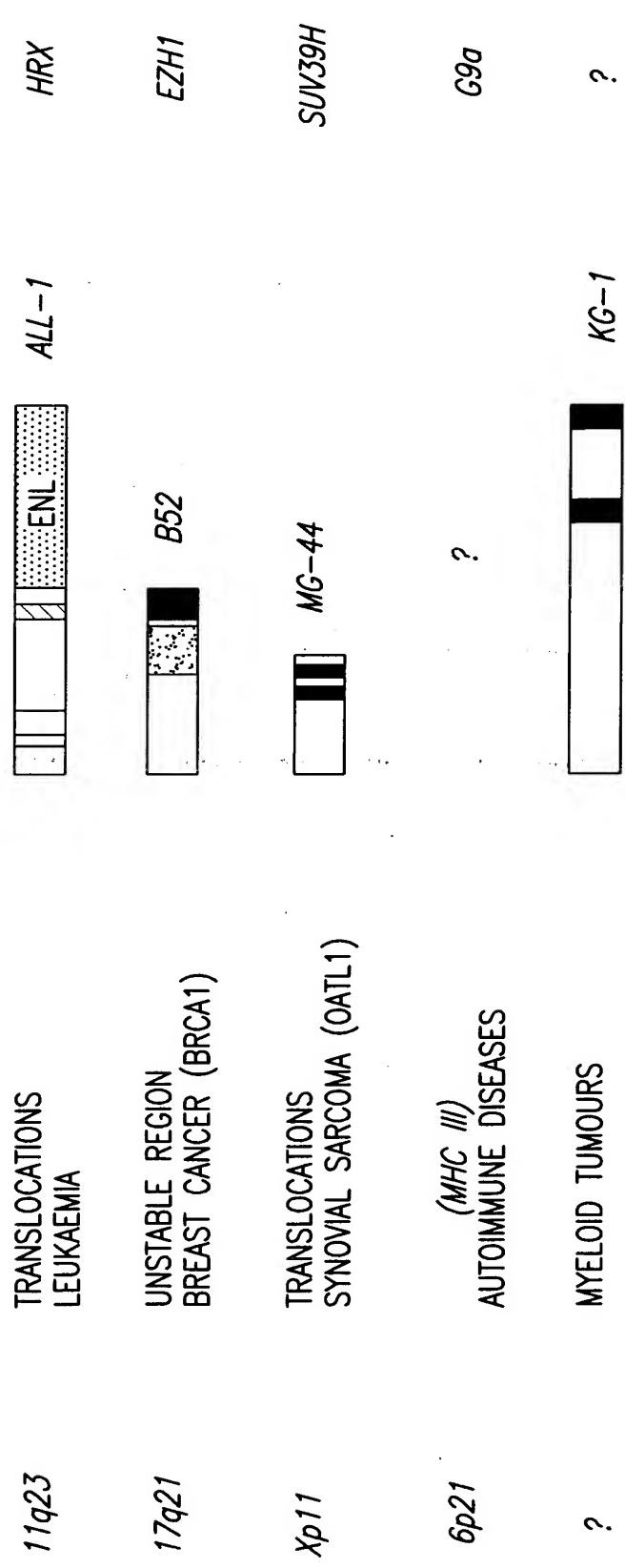


FIG.3

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SET PROTEIN FAMILY

S. CEREVIAE

YHR119

[REDACTED] 1080

C. ELEGANS

C26E6.10

[REDACTED] S 739

DROSOPHILA M.

trx [REDACTED] 3751

E(z) [REDACTED] 760

Su(var)3-9 [REDACTED] 635

SET

HUMAN

HMG I/Y

HRX [REDACTED] 3969 46%

EZH2 [REDACTED] 746 61%

SUV39H [REDACTED] 412 43%

G9a

[REDACTED] E [REDACTED] ANK [REDACTED] 1001

HMG-1

?

FIG.4

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E(z)	SDIAGWGIFL KEGAQKNEF I SEYGE ISQ DEADRRGKVY DK.. YMCSFL	50
EZH2	SDVAGWGIF I KDPVQKNEF I SEYGE ISQ DEADRRGKVY DK.. YMCSFL	
HRX	SPIHGRGLFC KRNI DAGEMV I EYAGNVI RS ICQDKREKYY DSIGIG.CYM	
trx	SHIHGRGLYC TKDIEAGEMV I EYACELI RS TUDOKRERYY DSRGIG.CYM	
C26	SRIHGWGLYA MESIAPDEMI VEYIGQTIRS LVALEEREKAY ERRGICSSYL	
YHR	SAIHGWGLYA LDSIAAKEMI IEYNGERTRQ PVAEMREKRY LKNGICSSYL	
Su3-9	ANGSGWGVRA ATALRKGEFV CEYIEE ITS DEANERGKAY DDNC..RTYL	
SUV39H	DDGRGWGVRT LEKIRKNFSV MEYNGE ITS EEAERRGQIY DRQC..ATYL	
G9a	TAKMGWGVRA LQTIPQGTFI CEYMGELI SD AEAD...V.. REID..DSYL	
KG-1	TQNKWGRC LDDIAKGSFV CIYAGKILTD DFADKEGL.. EMG..DEYF	

E(z)	FNLN..... NDFVWDATRK GNKIRFANHS INPN CYAKVM MVTGDH....	100
EZH2	FNLN..... NDFVWDATRK GNKIRFANHS VPNCYAKVM MVNGDH....	
HRX	FRID..... DSEVWDATMH GNRARFI NH S CEPNCYSRVI NIDGQK....	
trx	FKID..... DNLVWDATMR GNAARFI NH C CEPNCYSKVY DILGHK....	
C26	FRID..... LHHVIDATKR GNARF I NH C CPNCYAKVL TIEGEK....	
YHR	FRVD..... ENTVIDATKK GGIARFI NH C CPNCYAKVL KVGGRR....	
Su3-9	FDLIDYNTAQD SEYTIDAANY GNISHF I NH S CDPNLAVFPC WIEHLNVALP	
SUV39H	FDLIDY...VE DVYTDAAYY GNISHFVNHS CDPNLQVYNV F1DNLDRLP	
G9a	FDLDNK..DG EVYCIDARRY GNISRF I NH CDPNII PVRV FMLHQDLRFP	
KG-1	ANLDHI..ES VEYI DAKLE GNLCRYI NH S CSPNLFVQNV FVDT HDLRFP	

E(z)	RIGI FAKRAI QPGEELFFDY .. RYGPTEQL K....FVG I EREMEIV*	150
EZH2	RIGI FAKRAI QTGEELFFDY .. RYSQADAL K....YVG I EREMEIP*	
HRX	HIVI FAMRKI YRGEELTYDY .. KFPIE.DA SNKLPNCGA KKCRKFLN*	
trx	HIVI FAVRRI VCGEELTYDY .. KFPFE.D. EKIPCSGS KRCRKYLN*	
C26	RIVIVMSRTI KKGEE ITYDY .. KFPIE... DDKIDCLCGA KTCRGYLN*	
YHR	RIVIVIALDI AASEELTYDY .. KFEREKDD EERLPCLOCA PNCKGFLN*	
Su3-9	HIVFTLRRP I KAGEELSF DY .. IRADNEDVP YENLSTA....	
SUV39H	RTIAFFATRTI RAGEELTFDY NMQVDPVDM E STRMDSNFGI ACLPGSPKKR	
G9a	RTIAFFISSRTI RTGEELGF DY GDRFW..DIK SKYFTCQCGS EKCKHISAEAI	
KG-1	WMAFFIAKRI RAGTEL TWDY NYEVG..SVE GKELLCCGA IECR....	

E(z)

EZH2

HRX

trx

C26

YHR

Su3-9 VRVECRCGRD NCRKVLF*

SUV39H VRIECKCGTE SCRKYLF*

G9a AI FOSRI API RDWDEI I DEL CSI DDMVIT.

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EZH2 length: 2600bp (coding: 90-2330)

1	ACGCAGTGGAGCCCCGGCGCGCGCGCGCGCGCGCGGGGACGGCGGGAAACAACG	60
61	CGAGTCGGCGCGGGACGAAGAATAATCATGGGCCAGACTGGGAAGAAATCTGAGAAGG M G Q T G K K S E K G	120
121	GACCAGTTGTTGGCGGAAGCGTGTAAAATCAGACTACATGCCACTGAGACAGCTAACAG P V C W R K R V K S E Y M R L R Q L K R	180
181	GGTCAGACGAGCTGATGAAGTAAAGACTATGTTAGTTCCAATCGTCAGAAAATTTCGG F R R A D E V K S M F S S N R Q K I L E	240
241	AAAGAACGGAAATCTAAACCAAGAACATCCAAACAGCGGAAGCGATAACAGCTGTCCACATCC R T E I L N Q E W K Q R R I Q P V H I L	300
301	TGACTTCTGTGAGCTCATTGCGCCGGACTAGGGAGTGTGGTGACCACTGACTTGGATT T S V S S L R G T R E C S V T S D L D F	360
361	TTCCAACACAACATCCCATTAAAGACTCTGAATGCCACTGCTTCAGTACCCATAATG P T Q V I P L K T L N A V A S V P I M Y	420
421	ATTCTTGGCTCCCTACAGCAGAATTATGGTGGAAAGATGAAACTGTTTACATAACA S W S P L Q Q N F M V E D E T V L H N I	480
481	TTCCCTTATAATGGGAGATGAAGTGTAGATCAGGATGGTACTTCATTGAAGAACTAATAA P Y M G D E V L D Q D G T F I E E L I K	540
541	AAAATTATGATGGAAAGTACACGGGGATAGACAATGTCGGTTATAATGATGAAATT N Y D G K V H G D R E C G F I N D E I F	600
601	TTGTGGAGTTGGTGAATGCCCTTGGTCAAATAATGATGATGACGATGATGATGATGGAG V E L V N A L G Q Y N D D D D D D D G D	660
661	ACGATCCTGAAAGAAACAGAACAAACCGAGAAAGATCTGGAGGATCACCGAGATGATAAAG D P E E R E E K Q K D L E D H R D D K E	720
721	AAAGCCGCCACCTCGAAATTTCCTCTGATAAAATTGTAAGCCATTCTCAATG S R P P R K F P S D K I F E A I S S M F	780
781	TTCCAGATAAGGGCACAGCAGAACACTAAAGAAAAATAAACAACTCACCGAACAGC P D K G T A E E L K E K Y K E L T E Q Q	840
841	AGCTCCAGGCGCACTTCTGAATGTAACCCCAACATAGATGCCACAAATGCTAAAT L P G A L P P E C T P N I D G P N A K S	900
901	CTGTTAGAGAGCAAGCTTACACTCCATTCTACAGCTTTCTACAGCTTGTAGGGCGATGTTTA V Q R E Q S L H S F H T L F C R R C F K	960
961	AATATGACTCTTCCTACATCCTTTCTACAGCAACACCCAAACACTATAAGCGGAAGAAC Y D C F L H P F H A T P N T Y K R K N T	1020
1021	CAGAACACGCTAGACAAACACCTGACGACACACTGTTACCGACATTGGAGGGAG E T A L D N K P C G P Q C Y Q H L E G A	1080
1081	CAAAGGAGTTGCTGCTGCTCTCACCGCTGAGCGGATAAAAGACCCCACCAAAACGTCCAG K E F A A A L T A E R I K T P P K R P G	1140

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1141	GAGGCCGCAGAAGAGGACGGCTTCCAAATAACAGTAGCAGGCCAGCACCCCCACCAATT G R R R G R L P N N S S R P S T P T I N	1200
1201	ATGTGCTGGAATCAAAGGAATACACAGACTGATAGGGAAAGCAGGGACTGAAACGGGGAG V L E S K D T D S D R E A G T E T G G E	1260
1261	AGAACAAATGATAAAACAACAAGAAGAGAAAGATGAAACTTCGAGCTCTGAAGCAA N N D K E E E E K K D E T S S S S E A N	1320
1321	ATTCTCGCTGTCAAACACCAATAAAAGATGAAAGCCAATATTGAACCTCTGAGAATGTGG S R C Q T P I K M K P N I E P P E N V E	1380
1381	AGTGGAGTGCTGCTGAAGCCTCAATGTTAGAGTCCTCATGGCACTTACTATGACAATT W S G A E A S M F R V L I G T Y Y D N F	1440
1441	TCTGTGCCATTGCTAGGTTAATTGGGACCAAAACATGTAGACAGGTGATGAGTTAGAG C A I A R L I G T K T C R Q V Y E F R V	1500
1501	TCAAAGAAATCTAGCATCATAGCTCCAGCTCCGGCTGAGGATGTGGATACTCCTCCAAGGA K E S S I I A P A P A E D V D T P P R K	1560
1561	AAAAGAAGAGGAAACACCGCTTGTGGCTGCACACTGCAGAAAGATAACAGCTGAAAAGG K K R K H R L W A A H C R K I Q L K K D	1620
1621	ACGGCTCCTCTAACCATGTTACAACATCAACCCCTGTGATCATCCACGCCAGCTTGTG G S S N H V Y N Y Q P C D H P R Q P C D	1680
1681	ACAGTTCTGCTCCCTTGTGATAGCACAAAATTGTGAAAAGTTTGTCAATGTAGTT S S C P C V I A Q N F C E K F C Q C S S	1740
1741	CAGAGTGTCAAAACCGCTTCCGGATGCCGCTGCAAAGCACAGTGCACACCAAGCAGT E C Q N R F P G C R C K A Q C N T K Q C	1800
1801	GCCCCGTGCTACCTGGCTGTCCAGAGTGTGACCCCTGACCTCTGTCTTACTGTGGACCCG P C Y L A V R E C D P D L C L T C G A A	1860
1861	CTGACCATTGGGACACTAAAAATGTGCTCTGCAAGAACTGCAGTATTCAAGCGGGCTCCA D H W D S K N V S C K N C S I Q R G S K	1920
1921	AAAAGCATCTATTGCTGGCACCATCTGACGTGGCAGGCTGGGGATTTTATCAAAGATC K H L L A P S D V A G W G I F I K D P	1980
1981	CTGTGCAGAAAAATGAATTCTCAGAAATCTGAGACTGTGGAGAGATTATTCAGATGAAG V Q K N E F I S E Y C G E I I S Q D E A	2040
2041	CTGACAGAAAGGGAAAGTGTATGATAAAATACATGTGCAGCTTCTGTCAACTGAAAC D R R G K V Y D K Y M C S F L F N L N N	2100
2101	ATGATTTGTGGTGGATGCAACCCCAACGGTAACAAAATTGGTTAACGGTGTACACGGATAGGTATT D F V V D A T R K G N K I R F A N H S V	2160
2161	TAAATCCAAACTGCTATGCCAAAGTATGATGGTTAACGGTGTACACGGATAGGTATT N P N C Y A K V M M V N G D H R I G I F	2220
2221	TTGCCAAGAGGCCATCCAAGACTGGCGAAGAGCTGTTTTGATTACAGATACAGCCAGG A K R A I Q T G E E L F F D Y R Y S Q A	2280

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2281 CTGATGCCCTGAAGTATGTGGCATCGAAAGAGAAATGGAAATCCCTTGACATCTGCTAC 2340
D A L K Y V G I E R E M E I P *

2341 CTCCTCCCCCTCCTCTGAAACAGCTGCCTTAGCTTCAGGAAACCTCGAGTACTGTGGCAA 2400

2401 TTTAGAAAAAGAACATGCAGTTGAAATTCTGAATTGCAAAGTACTGTAAAGAATAATT 2460

2461 ATAGTAATGAGTTAAAAATCAACTTTTATTGCCTTCTCACCAAGCTGCAGTGTGTTG 2520

2521 TACCAAGTGAATTTCGAATAATGCACTATGGTACATTTCACACTTGAAATAAGAATA 2580

2581 CTTGAACCTGTCAAAAAAAA 2600

FIG. 6C

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 Title: Chromatin Regulator Genes

SUV39H length: 2732bp (coding: 45-1284)

1	TCGGCAGGCCGGCTAGGCCGAATCTCGT	TACCCGTGGGAAACATGGCGAAAATTAA	60
		M A E N L K	
61	AAGGCTGCAGCGTGTGTTGCAAGTCTTCTTGGAAATCAGCTGCAGGACCTGTGCCCTGG	G C S V C C K S S W N Q L Q D L C R L A	120
121	CCAAGCTCTCTGCCCTGCCCTCGGTATCTCTAAGAGGAACCTCTATGACTTGAAGTCG	K L S C P A L G I S K R N L Y D F E V E	180
181	AGTACCTGTGCCATTACAAGAAGATCCGGAACAGGAATTACCTGGTGAATGGCTG	Y L C D Y K K I R E Q E Y Y L V K W R G	240
241	GATATCCAGACTCAGAGAGCACCTGGGAGGCCACGGCACAATCTCAAGTGCTGCCCTATCC	Y P D S E S T W E P R Q N L K C V R I L	300
301	TCAAGGCACTTCCACAAGGACTTAGAAAGGGAGCTGCTCCGGGGCACCAACGGTCAAAGA	K Q F H K D L E R E L L R R H H R S K T	360
361	CCCCCGGCACCTGGACCCAAAGCTTGGCAACTACCTGGTGCAGAAGGCCAACGAGGC	P R H L D P S L A N Y L V Q K A K Q R R	420
421	GGCCGCTCCGTCGCTGGGAGCAGGAGCTCAATGCCAAGGCCAGCCATCTGGACCGCATCA	A L R R W E Q E L N A K R S H L G R I T	480
481	CTGTAGAGAATGAGGTGGACCTGGACGGCCCTCCGGGCTTCGTGTACATCAATGAGT	V E N E V D L D G P P R A F V Y I N E Y	540
541	ACCGTGTGGTGAGGGCATCACCTCAACCAGGTGGCTGGCTGGCTGGAGTGCCAGGACT	R V G E G I T L N Q V A V G C E C Q D C	600
601	GTCTGTGGCACCCACTGGAGGCCCTGGCCCTGCCGGGGCGTCACTGCACAACTTGGCTAC	L W A P T G G C C P G A S L H K F A Y N	660
661	ATGACAGGGCCAGGTGGCCCTTGAGCCGGCTGCCAATCTACAGTGCAACTCCCGCT	D Q G Q V R L R A G L P I Y E C N S R C	720
721	GCCGCTGCCCTATGACTGCCAAATCGTGTGGTACAGAAGGGATCCGATATGACCTCT	R C G Y D C P N R V V Q K G I R Y D L C	780
781	GCATCTCCGGACGGATGATGGCTGGCTGGCTGGGGCTCCGACCCCTGGAGAAGATTGGCA	I F R T D D G R G W G V R T L E K I R K	840
841	AGAACAGCTTCGTATGGAGTACGTGGAGAGATCATTACCTCAGAGGAGGCAGAGCCG	N S F V M E Y V G E I I T S E E A E R R	900
901	GGGGCCAGATCTACGACCGTCAGGGGCCACCTACCTCTTGACCTGGACTACGTGGAGG	G Q I Y D R Q G A T Y L F D L D Y V E D	960
961	ACGTGTACACCGTGGATGCCCTACTATGGCAACATCTCCACTTGTCAACCACAGT	V Y T V D A A Y Y G N I S H F V N H S C	1020
1021	GTGACCCAAACCTGCAGGTGTACAACGTCTCATAGACAACCTTGACGGAGCGGGCTGCC	D P N L Q V Y N V F I D N L D E R L P R	1080
1081	GCATGGCTTCTTGCCACAAGAACCATCCGGCAGGCAGGGCTCACCTTGATTAC	I A F F A T R T I R A G E E L T F D Y N	1140

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1141	ACATCCAAGTGACCCCCCTGGACATGGAGAGCACCCGCATGGACTCCAAC	1200
	M Q V D P V D M E S T R M D S N F G L A	
1201	CTGGGCTCCCTGGCTCCCCAACGAAGCGGTCCCTATTGAAATGCAACTGTGGGACTGACT	1260
	G L P G S P K K R V R I E C K C G T E S	
1261	CCTGCCGCAAATACCTCTTAGCCCTTAAAGACTCTGAGGCCAGACTGACTGAGGGGCC	1320
	C R K Y L F *	
1321	TGAAGCTACATGCACCTCCCCACTGCTGCCCTCCTGTCGACAATGACTGCCAGGGCCTC	1380
1381	GCCTGCCTCCACCTGCCCTACCTGCTCCACCTGCTCTACCTGCTCTACGTTAGGGCTGTGGCCGTG	1440
1441	GTGAGGACCCACTCCAGGAGTCCCCCTTCCCTGTCAGGCCATCTGTGGTTGCACCT	1500
1501	ACAAACCCCCACCCACCTTCAGAAATAGTTTTCAACATCAAGACTCTCTGCGTTGGGA	1560
1561	TTCATGGCTTATTAAAGGAGGTCCAACGGGTGAGTCCCAACCCAGGCCAGAAATATATTG	1620
1621	TTTTGCACCTGCTCTGCCTGGAGATTGAGGGCTCTGCAGGGCTCTCCCTGCTGC	1680
1681	CCCAAACCTATGGGAAGCAACCCCAGAGCAGGCCAGACATCAGAGGCCAGACTGCCTAGC	1740
1741	CCGACATGAAGCTGGTCCCCAACCACAGAACTTGTACTAGTGAAAGAAAGGGTCCC	1800
1801	TGGCCTACGGGCTGAGGTGGTTCTGCTCGCTTACAGTCTGGTAGTGTGGCCCT	1860
1861	AAGAGCTGTAGGGTCTCTTCTCAGGGCTGCATATCTGAGAAGTGGATGCCACATGCCA	1920
1921	CTGGAAAGGGAAAGTGGGTGTCATGGCCACTGAGCAGTGAGAGGAAGCCACTCCAGAGCT	1980
1981	GGCCAGCCCTGGAGGTAGGCTGGGACCAAGCTGCCCTCACACTGCCAGTAAGGTACCT	2040
2041	AGGGCTTGGGAGCTGCCGTTGCTAGGGGCCCTGACCTGGGTCTCATGACCGCTGA	2100
2101	CACCACTCACAGCTGGAACCAAGATCTAGATAGTCCCTAGATAGCACTTACGACAAGAAT	2160
2161	GTGCATTGATGGGTGCTGATGAGGTGCCAGGCACACTAGCTAGAGCACCTGGTCCACGTGG	2220
2221	ATTGTCTCAGGGAAAGCTTGAAAACCACGGAGGTGGATGCCAGGAAAGGGCCCATGTGGC	2280
2281	AGAAGGCAAAGTACAGGCCAAGAATTGGGGTGGGGAGATGCCCTCCCCACTATGGGAT	2340
2341	GACGAGGGAGAGGGAAAGCCCTTGCTGCCGCCATTCAGACCCAGGCCCTTGTGCTC	2400
2401	ACCCCTGGTCCACTGGCTCTAAAGTCACCTGCCACAAATGTACAAAGGCCAAGGTTG	2460
2461	TGATGGCTGCCCTTGCTCTTGCTCCCCAACCCCTGTGAGGACTTCTCTAGGAAGTCCCT	2520
2521	CCTGACTACCTGTGCCAGACTGCCCTACATGAGACTGATGCCCTGCTATCAGATGCC	2580
2581	AGATCTATGTCGTCTGCTGTCATCCCCGGCCCCCAGACTAACCTCCAGCCAT	2640
2641	GGACTGAATCTGGTTCTCTTGTACACCCCTAACCTATGCAGGCTGGAGTGGCCAT	2700
2701	CAATAAAATGAAGTGTGCACTGAAAAAA	2732

FIG. 7B

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EZH2	—	1844	TCTTACTTGTGGAGCCGCTGACCATTGGGACAGTAAAATGTCTCTGCA	1893
EZH1	—	1	ACTCACCTGTGGGGCCTCAGAGCACTGGACTGCAAGGTGGTTCCGTGA	50
	1894	AGAACTGCAGTATTCAAGCGGGCTCCAAAAAGCATCTATTGCTGGCACCA	1943	
	51	AAAAGTCAGCATCCAGCGTGGACTTAAGAAGCACCTGCTGGCCCCC	100	
	1944	TCTGACGTGGCAGGCTGGGGATTTTATCAAAGATCCTGTGCAGAAAAA	1993	
B52				
	101	TCTGATGTGCCCGATGGGCACCTTCATAAAGGAGTCTGTGCAGAAGAA	150	
	1994	TCAATTCATCTCAGAACACTGTGGAGAGATTATTTCTCAAGATGAAGCTG	2043	
	151	CGAATTCAATTCTGAATACTGTGGTGAGCTCATCTCAGGATGAGGCTG	200	
	2044	ACAGAACAGGGAAAGTGTATGATAAATACATGTGCACCTTCTGTTAAC	2093	
	201	ATCGACCGGGAAAGGTCTATGACAATACATGTCAGCTTCTCTTCAAC	250	
	2094	TTGAACAATGATTTGTGGATGCAACCCCAAGGGTAACAAAATTG	2143	
	251	CTCAATAATGATTTTAGTGGATGCTACTCGGAAAGGAAACAAAATTG	300	
	2144	TTTGCACATTCGGTAAATCCAAACTGCTATGCCAAAGTTATGAT	2191	
	301	ATTTGCAATCATTCACTGAATCCAACTGTTATGCCAAAGGTGAGTCCC	350	
	2192	GCTTAACGGTATCACAGGATAGTATTTGCCAAGAGAGCCATCCAGA	2241	
	351	AGTAACCTGGGAGGTGGGCTGGGGATGGATGCCCTTTACTGTGATTTC	400	
	2242	CTGGCGAACAGCTGTTTGTGATTACAGATAACGCCAGGCTGATGCCCTG	2291	
	401	CATTCTTGTGAACATTTCCCTAGCTGAGCTATCTTGTCCAAGAT	450	
	2292	AACTATGTCGGCATCGAAAGAGAAATGAAATCCCTTGA	2330	
	451	AATCATGATTAATATCTGGTATCATTTAGGCCCTCTC	489	

FIG. 8

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SUV39H1

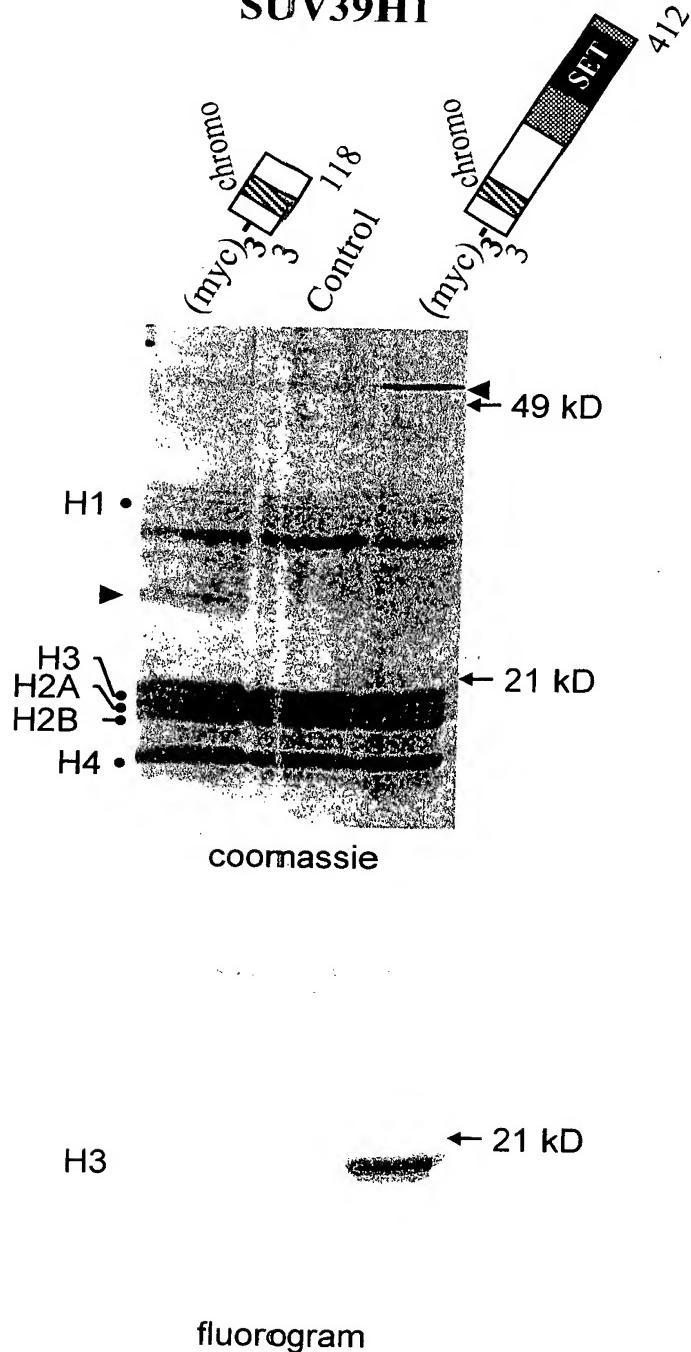


FIG.9A

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Suv39h1

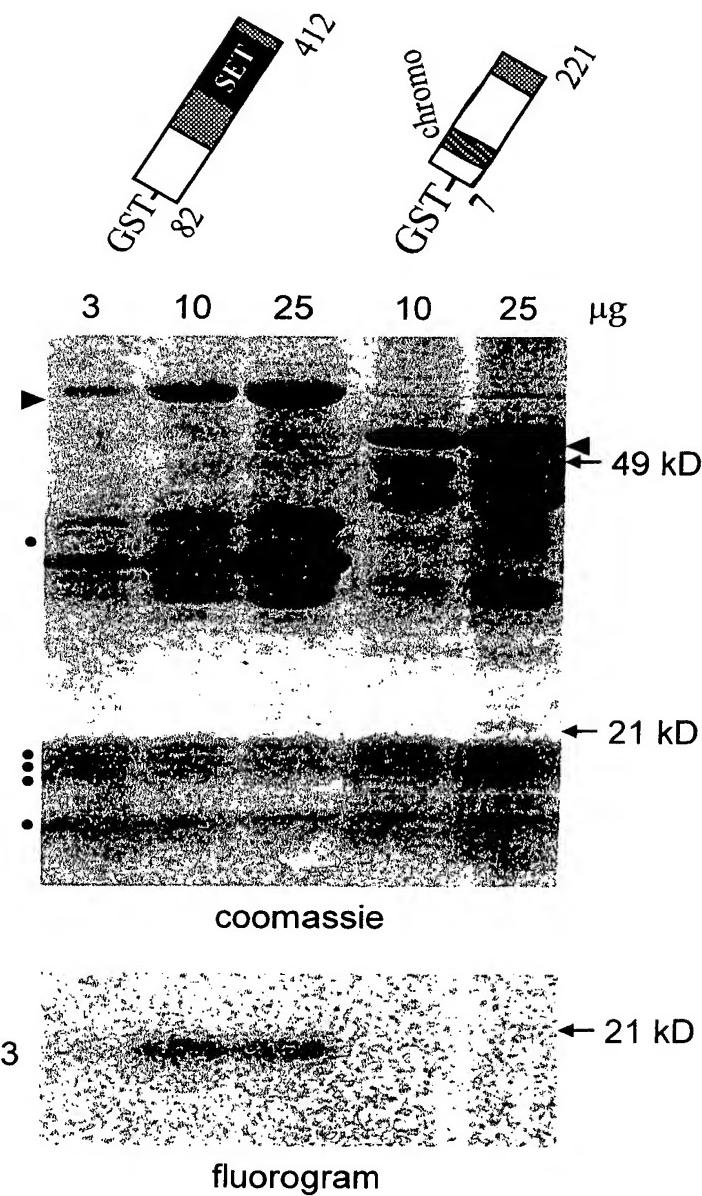


FIG. 9B

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Title: Chromatin Regulator Genes

Suv39h1

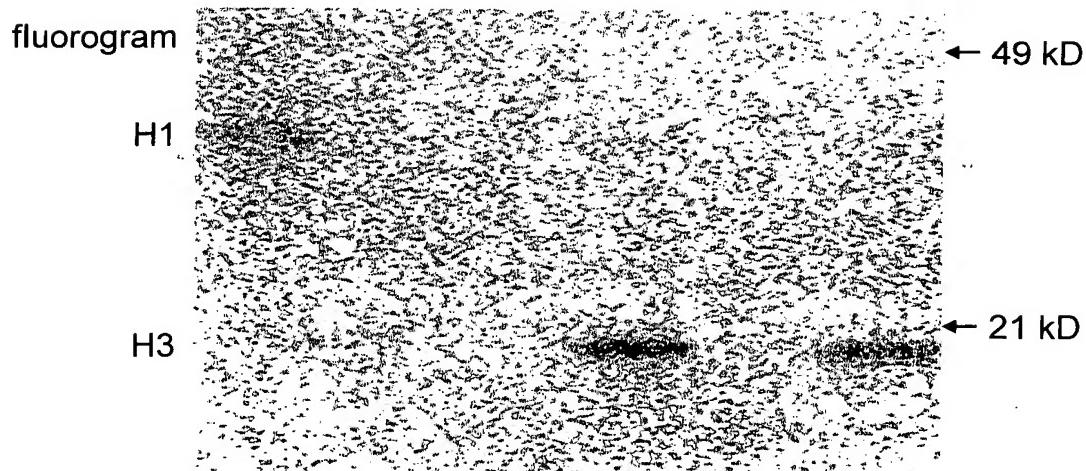
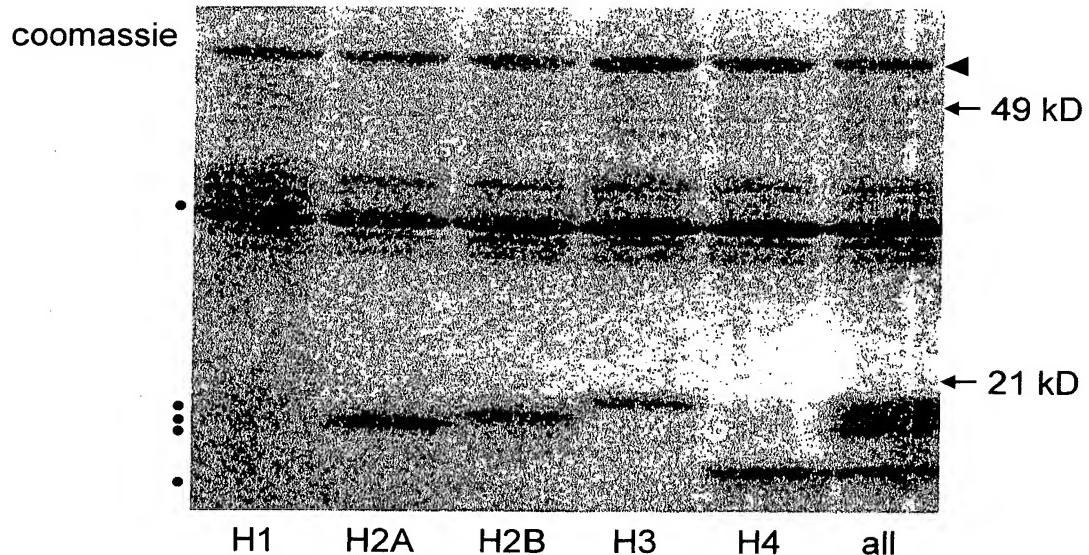
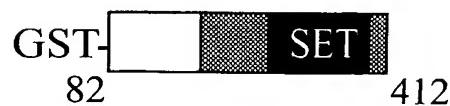


FIG. 10A

Replacement Sheet
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Appl. No. 10/773,302; Filed: Feb. 9, 2004
Dkt. No. 0652.1670002/JUK/JCl; Art Unit: 1651
Inventors: Jenuwein et al.; Tel: 202-371-2600
Title: Chromatin Regulator Genes

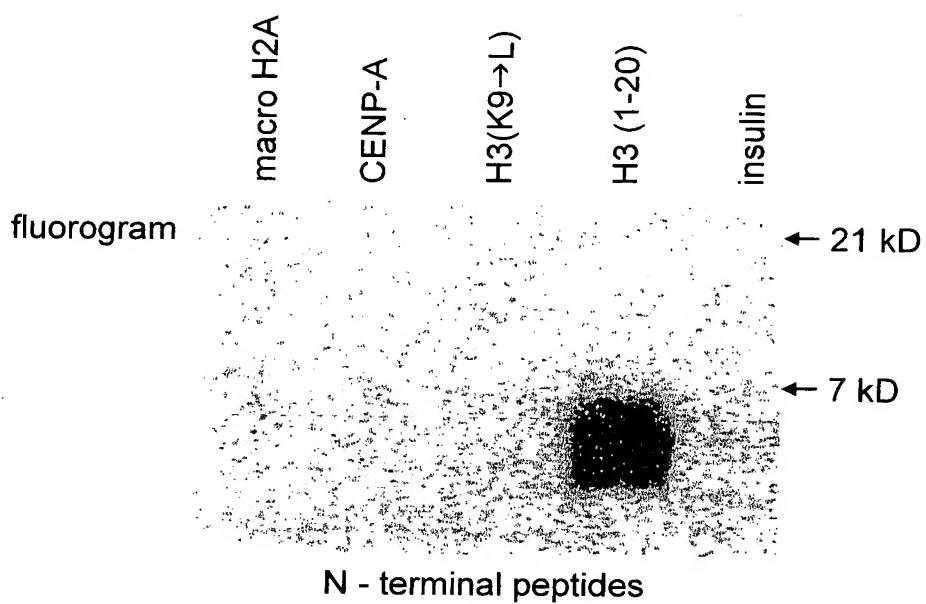


FIG.10B

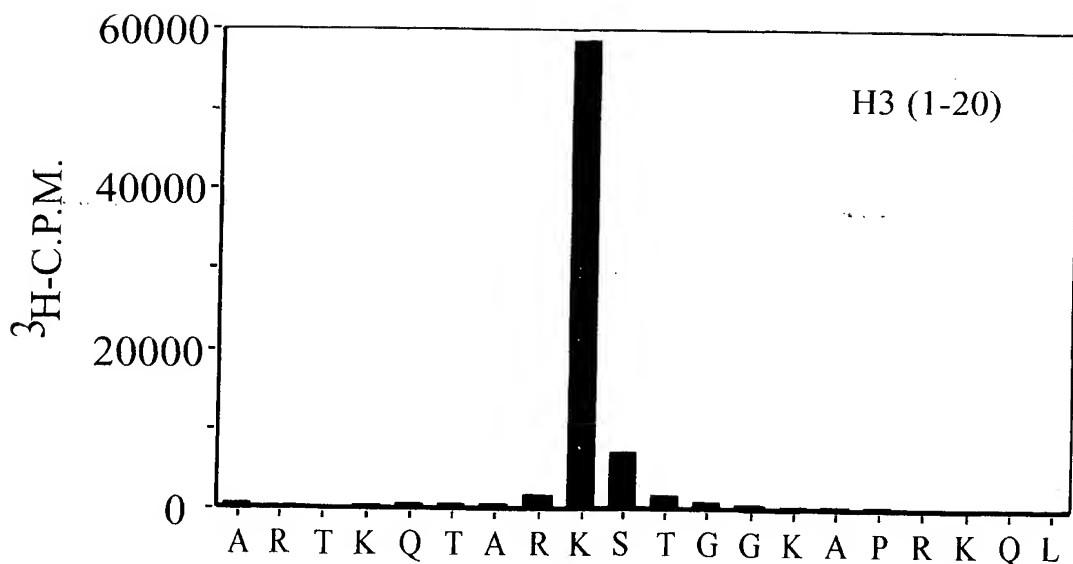


FIG.10C

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